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Welcome to STN International! Enter x:x

LOGINID:sssptal600cxc

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS	1	Web Page URLs for STN Seminar Schedule - N. America
NEWS	2	"Ask CAS" for self-help around the clock
NEWS	3 FEB 28	PATDPAFULL - New display fields provide for legal status data from INPADOC
NEWS	4 FEB 28	BABS - Current-awareness alerts (SDIs) available
NEWS	5 MAR 02	GBFULL: New full-text patent database on STN
NEWS	6 MAR 03	REGISTRY/ZREGISTRY - Sequence annotations enhanced
NEWS	7 MAR 03	MEDLINE file segment of TOXCENTER reloaded
NEWS	8 MAR 22	KOREAPAT now updated monthly; patent information enhanced
NEWS	9 MAR 22	Original IDE display format returns to REGISTRY/ZREGISTRY
NEWS	10 MAR 22	PATDPASPC - New patent database available
NEWS	11 MAR 22	REGISTRY/ZREGISTRY enhanced with experimental property tags
NEWS	12 APR 04	EPPFULL enhanced with additional patent information and new fields
NEWS	13 APR 04	EMBASE - Database reloaded and enhanced
NEWS	14 APR 18	New CAS Information Use Policies available online
NEWS	15 APR 25	Patent searching, including current-awareness alerts (SDIs), based on application date in CA/CAPLUS and USPATFULL/USPAT2 may be affected by a change in filing date for U.S. applications.
NEWS	16 APR 28	Improved searching of U.S. Patent Classifications for U.S. patent records in CA/CAPLUS
NEWS	17 MAY 23	GBFULL enhanced with patent drawing images
NEWS	18 MAY 23	REGISTRY has been enhanced with source information from CHEMCATS
NEWS	19 JUN 06	The Analysis Edition of STN Express with Discover! (Version 8.0 for Windows) now available
NEWS	20 JUN 13	RUSSIAPAT: New full-text patent database on STN
NEWS	21 JUN 13	FRFULL enhanced with patent drawing images
NEWS	22 JUN 27	MARPAT displays enhanced with expanded G-group definitions and text labels
NEWS	23 JUL 01	MEDICONF removed from STN
NEWS	24 JUL 07	STN Patent Forums to be held in July 2005
NEWS	25 JUL 13	SCISEARCH reloaded
NEWS	26 JUL 20	Powerful new interactive analysis and visualization software, STN AnaVist, now available
NEWS	27 AUG 11	Derwent World Patents Index(R) web-based training during August
NEWS	28 AUG 11	STN AnaVist workshops to be held in North America
NEWS EXPRESS	JUNE 13	CURRENT WINDOWS VERSION IS V8.0, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 13 JUNE 2005
NEWS HOURS		STN Operating Hours Plus Help Desk Availability
NEWS INTER		General Internet Information
NEWS LOGIN		Welcome Banner and News Items
NEWS PHONE		Direct Dial and Telecommunication Network Access to STN
NEWS WWW		CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 15:01:31 ON 23 AUG 2005

=> file medline, agricola, caba, caplus, biosis, biotechno COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'MEDLINE' ENTERED AT 15:01:40 ON 23 AUG 2005

FILE 'AGRICOLA' ENTERED AT 15:01:40 ON 23 AUG 2005

FILE 'CABA' ENTERED AT 15:01:40 ON 23 AUG 2005
COPYRIGHT (C) 2005 CAB INTERNATIONAL (CABI)

FILE 'CAPLUS' ENTERED AT 15:01:40 ON 23 AUG 2005
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FILE 'BIOSIS' ENTERED AT 15:01:40 ON 23 AUG 2005
Copyright (c) 2005 The Thomson Corporation

FILE 'BIOTECHNO' ENTERED AT 15:01:40 ON 23 AUG 2005
COPYRIGHT (C) 2005 Elsevier Science B.V., Amsterdam. All rights reserved.

=> s (kim, .o? or kim o?)/au
L1 1656 (KIM, O? OR KIM O?)/AU

=> s (lee, s? or lee s?)/au
L2 90619 (LEE, S? OR LEE S?)/AU

=> s (park, a? or park a?)/au
L3 1151 (PARK, A? OR PARK A?)/AU

=> s l1 and l2 and l3
L4 1 L1 AND L2 AND L3

=> s l1 or l2 or l3
L5 93269 L1 OR L2 OR L3

=> d l4 ti

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN
TI Nucleic acid molecules encoding annexins from plants

=> d l4 bib

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN
AN 2004:958806 CAPLUS
DN 142:171147
TI Nucleic acid molecules encoding annexins from plants
IN Kim, Ok Mae; Lee, Su Min; Park, Ae Ran
PA Korea Kumho Petrochemical Co., Ltd., S. Korea
SO Repub. Korean Kongkae Taeho Kongbo, No pp. given
CODEN: KRXXA7
DT Patent
LA Korean
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	·	KR 2003086551	A	20031110	KR 2003-73780	20031022
		US 2005089872	A1	20050428	US 2003-690564	20031023
PRAI		KR 2003-73780	A	20031022		

=> s 15 and annexin
L6 71 L5 AND ANNEXIN

=> s 16 and plant
L7 7 L6 AND PLANT

=> duplicate remove l7
DUPLICATE PREFERENCE IS 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS'
KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n
PROCESSING COMPLETED FOR L7
L8 3 DUPLICATE REMOVE L7 (4 DUPLICATES REMOVED)

=> s 18 not 14
L9 2 L8 NOT L4

=> d 19 1-2 ti

L9 ANSWER 1 OF 2 MEDLINE on STN
TI Proteomic identification of annexins, calcium-dependent membrane binding proteins that mediate osmotic stress and abscisic acid signal transduction in Arabidopsis.

L9 ANSWER 2 OF 2 CABA COPYRIGHT 2005 CABI on STN
TI Acetone extract of Angelica sinensis inhibits proliferation of human cancer cells via inducing cell cycle arrest and apoptosis.

=> d 19 1 bib

L9 ANSWER 1 OF 2 MEDLINE on STN
AN 2004279454 MEDLINE
DN PubMed ID: 15161963
TI Proteomic identification of annexins, calcium-dependent membrane binding proteins that mediate osmotic stress and abscisic acid signal transduction in Arabidopsis.
AU **Lee Sumin**; Lee Eun Jung; Yang Eun Ju; Lee Ji Eun; **Park Ae Ran**; Song Won Hyun; Park Ohkmae K
CS Kumho Life and Environmental Science Laboratory, Gwangju 500-712, Korea.
SO Plant cell, (2004 Jun) 16 (6) 1378-91. Electronic Publication: 2004-05-25.
Journal code: 9208688. ISSN: 1040-4651.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200407
ED Entered STN: 20040606
Last Updated on STN: 20040717
Entered Medline: 20040716

=> d his

(FILE 'HOME' ENTERED AT 15:01:31 ON 23 AUG 2005)

FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO' ENTERED AT 15:01:40 ON 23 AUG 2005

L1 1656 S (KIM, O? OR KIM O?)/AU
L2 90619 S (LEE, S? OR LEE S?)/AU
L3 1151 S (PARK, A? OR PARK A?)/AU
L4 1 S L1 AND L2 AND L3
L5 93269 S L1 OR L2 OR L3
L6 71 S L5 AND ANNEXIN
L7 7 S L6 AND PLANT

L8 . 3 DUPLICATE REMOVE L7 (4 DUPLICATES REMOVED)
L9 2 S L8 NOT L4

=> (annexin or annexins)
(ANNEXIN IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> s (annexin or annexins)
L10 21496 (ANNEXIN OR ANNEXINS)

=> s l10 and (plant or plants)
L11 751 L10 AND (PLANT OR PLANTS)

=> s l11 not l5
L12 742 L11 NOT L5

=> s l12 and (transformed or transgenic or dna or cdna or genomic or gene or polynucleotide or
nucleic(w)acid)
<-----User Break----->

SEARCH ENDED BY USER

=> s l12 and (transformed or transgenic or dna or cdna or gene)
L13 382 L12 AND (TRANSFORMED OR TRANSGENIC OR DNA OR CDNA OR GENE)

=> s l13 and arabidopsis
L14 52 L13 AND ARABIDOPSIS

=> duplicate remove l14
DUPLICATE PREFERENCE IS 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO'
KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n
PROCESSING COMPLETED FOR L14
L15 22 DUPLICATE REMOVE L14 (30 DUPLICATES REMOVED)

=> d l15 1-10 ti

L15 ANSWER 1 OF 22 CABA COPYRIGHT 2005 CABI on STN DUPLICATE 1
TI Immunolocalization and histochemical evidence for the association of two
different **Arabidopsis annexins** with secretion during
early seedling growth and development.

L15 ANSWER 2 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN
TI Sequences of soybean seed specific **annexin** and P34 promoters and
use in expression of **transgenic** genes in **plants**

L15 ANSWER 3 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN
TI Differentially expressed nucleic acids in human leukocytes useful for
diagnosing or monitoring autoimmune and chronic inflammatory diseases

L15 ANSWER 4 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN
TI **Transgenic plants** as a model for studying human
annexin A6 in vivo

L15 ANSWER 5 OF 22 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
TI 2003 Annual Meeting (Nara) of the Japanese Society of **Plant**
Physiologists (JSPP), Osaka, Japan, March 27-29, 2003.

L15 ANSWER 6 OF 22 MEDLINE on STN DUPLICATE 2
TI Genes for calcium-permeable channels in the plasma membrane of
plant root cells.

L15 ANSWER 7 OF 22 BIOTECHNO COPYRIGHT 2005 Elsevier Science B.V. on STN
TI Calcium homeostasis in **plants**: Role of calcium binding proteins
in abiotic stress tolerance

L15 ANSWER 8 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN
TI Identification of proteins regulated by cross-talk between drought and

· hormone pathways in **Arabidopsis** wild-type and auxin-insensitive mutants, axr1 and axr2

L15 ANSWER 9 OF 22 MEDLINE on STN DUPLICATE 3
TI Differential expression of members of the **annexin** multigene family in **Arabidopsis**.

L15 ANSWER 10 OF 22 MEDLINE on STN DUPLICATE 4
TI **Plant** callose synthase complexes.

=> d 115 8,9 bib

L15 ANSWER 8 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN
AN 2002:204193 CAPLUS
DN 136:366421
TI Identification of proteins regulated by cross-talk between drought and hormone pathways in **Arabidopsis** wild-type and auxin-insensitive mutants, axr1 and axr2
AU Bianchi, Michele Wolfe; Damerval, Catherine; Vartanian, Nicole
CS Biologie Cellulaire et Moléculaire de l'Adaptation a la Secheresse (EA 1615), Université Paris XII, Créteil, 94010, Fr.
SO Functional Plant Biology (2002), 29(1), 55-61
CODEN: FPBUCP; ISSN: 1445-4408
PB CSIRO Publishing
DT Journal
LA English
RE.CNT 52 THERE ARE 52 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 9 OF 22 MEDLINE on STN DUPLICATE 3
AN 2001406561 MEDLINE
DN PubMed ID: 11457958
TI Differential expression of members of the **annexin** multigene family in **Arabidopsis**.
AU Clark G B; Sessions A; Eastburn D J; Roux S J
CS Department of Molecular Cell and Developmental Biology, University of Texas, Austin, Texas 78713, USA.
SO Plant physiology, (2001 Jul) 126 (3) 1072-84.
Journal code: 0401224. ISSN: 0032-0889.
(Investigators: Roux S J, U TX, Austin)
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals; Space Life Sciences
OS GENBANK-AF083913; GENBANK-AF083914
EM 200109
ED Entered STN: 20010917
Last Updated on STN: 20010917
Entered Medline: 20010913

=> d 115 11-22 ti

L15 ANSWER 11 OF 22 MEDLINE on STN DUPLICATE 5
TI Oxy5, a novel protein from **Arabidopsis** thaliana, protects mammalian cells from oxidative stress.

L15 ANSWER 12 OF 22 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
TI Isolation and characterization of seven **Arabidopsis** **annexin** cDNAs.

L15 ANSWER 13 OF 22 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
TI Callose synthesis and callose synthases of **plants**.

L15 ANSWER 14 OF 22 CABA COPYRIGHT 2005 CABI on STN
TI **Plant** gene register PGR 99-168. Isolation and

characterization of two novel **Arabidopsis annexin** cDNAs (Accession Nos. AF188362 and AF188363).

L15 ANSWER 15 OF 22 CABA COPYRIGHT 2005 CABI on STN
 TI **Plant gene** register 99-065. Isolation and characterization of two different **Arabidopsis annexin** cDNAs (Accession nos. AF083913 and AF083914).

L15 ANSWER 16 OF 22 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
 TI Investigating the relationship between cell growth and the expression of a vacuole-associated **annexin**.

L15 ANSWER 17 OF 22 MEDLINE on STN DUPLICATE 6
 TI Distinct **annexin** subfamilies in **plants** and protists diverged prior to animal **annexins** and from a common ancestor.

L15 ANSWER 18 OF 22 MEDLINE on STN DUPLICATE 7
 TI **Annexin**-like protein from **Arabidopsis thaliana** rescues delta oxyR mutant of Escherichia coli from H2O2 stress.

L15 ANSWER 19 OF 22 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
 TI Expression of a novel **annexin**-like **Arabidopsis thaliana gene** protects tumour cells from TNF cytotoxicity.

L15 ANSWER 20 OF 22 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
 TI Two-hybrid analysis using two different **annexin** genes from **Arabidopsis**.

L15 ANSWER 21 OF 22 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
 TI Characterization of a full-length **annexin cDNA** from **Arabidopsis thaliana**.

L15 ANSWER 22 OF 22 CABA COPYRIGHT 2005 CABI on STN DUPLICATE 8
 TI The **cDNA** sequence encoding an **annexin** from Medicago sativa.

=> d 115 12,17,18,19,21 bib

L15 ANSWER 12 OF 22 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
 AN 2002:629713 BIOSIS
 DN PREV200200629713
 TI Isolation and characterization of seven **Arabidopsis annexin** cDNAs.
 AU Clark, Gregory B. [Reprint author]; Dauwalder, Marianne [Reprint author]; Roux, Stanley J. [Reprint author]; Sessions, Allen
 CS Department of Molecular Cell and Developmental Biology, University of Texas at Austin, Austin, TX, USA
 gclark@ccwf.cc.utexas.edu
 SO Plant Biology (Rockville), (2001) Vol. 2001, pp. 35. print.
 Meeting Info.: Joint Annual Meetings of the American Society of Plant Biologists and the Canadian Society of Plant Physiologists. Providence, Rhode Island, USA. July 21-25, 2001. American Society of Plant Biologists; Canadian Society of Plant Physiologists.
 DT Conference; (Meeting)
 Conference; Abstract; (Meeting Abstract)
 LA English
 ED Entered STN: 12 Dec 2002
 Last Updated on STN: 12 Dec 2002

L15 ANSWER 17 OF 22 MEDLINE on STN DUPLICATE 6
 AN 97224603 MEDLINE
 DN PubMed ID: 9069178
 TI Distinct **annexin** subfamilies in **plants** and protists

diverged prior to animal **annexins** and from a common ancestor.

AU Morgan R O; Pilar Fernandez M
CS Department of Biochemistry and Molecular Biology, Faculty of Medicine,
University of Oviedo, Spain.

SO Journal of molecular evolution, (1997 Feb) 44 (2) 178-88.
Journal code: 0360051. ISSN: 0022-2844.

CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals

OS GENBANK-D90116; GENBANK-H36260; GENBANK-H36536; GENBANK-H37398;
GENBANK-H74681; GENBANK-H76134; GENBANK-H76460; GENBANK-H77008;
GENBANK-L27221; GENBANK-L47930; GENBANK-R29768; GENBANK-R30014;
GENBANK-T04775; GENBANK-T13910; GENBANK-T22046; GENBANK-T22585;
GENBANK-T41940; GENBANK-T42209; GENBANK-T43657; GENBANK-T76739;
GENBANK-X63996; GENBANK-X93308; GENBANK-Z17514; GENBANK-Z18073;
GENBANK-Z18518; GENBANK-Z25968; GENBANK-Z26190; GENBANK-Z32565;
GENBANK-Z33916; GENBANK-Z47714; +

EM 199704
ED Entered STN: 19970422
Last Updated on STN: 19970422
Entered Medline: 19970410

L15 ANSWER 18 OF 22 MEDLINE on STN DUPLICATE 7
AN 97008169 MEDLINE
DN PubMed ID: 8855345
TI **Annexin**-like protein from **Arabidopsis thaliana** rescues
delta oxyR mutant of *Escherichia coli* from H2O2 stress.

AU Gidrol X; Sabelli P A; Fern Y S; Kush A K
CS Institute of Molecular and Cell Biology, National University of Singapore,
Republic of Singapore.

SO Proceedings of the National Academy of Sciences of the United States of
America, (1996 Oct 1) 93 (20) 11268-73.
Journal code: 7505876. ISSN: 0027-8424.

CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals

OS GENBANK-U28415
EM 199611
ED Entered STN: 19961219
Last Updated on STN: 19961219
Entered Medline: 19961125

L15 ANSWER 19 OF 22 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on
STN
AN 1996:351518 BIOSIS
DN PREV199699073874
TI Expression of a novel **annexin**-like **Arabidopsis**
thaliana gene protects tumour cells from TNF cytotoxicity.

AU Janicke, R. U.; Porter, A. G.; Kush, A.
CS Inst. Mol. Cell Biol., Natl. Univ. Singapore, 10 Kent Ridge Crescent,
Singapore 119260, Singapore

SO European Cytokine Network, (1996) Vol. 7, No. 2, pp. 208.
Meeting Info.: 6th International Tumor Necrosis Factor Congress. Rhodes,
Greece. May 8-12, 1996.
ISSN: 1148-5493.

DT Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
LA English
ED Entered STN: 5 Aug 1996
Last Updated on STN: 6 Aug 1996

L15 ANSWER 21 OF 22 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on
STN
AN 1996:358443 BIOSIS
DN PREV199699080799
TI Characterization of a full-length **annexin** cDNA from
Arabidopsis thaliana.

AU . Mehta, Niraj; Sathasivan, K.; Brown, R. M., Jr.
 CS Dep. Botany, Univ. Texas, Austin, TX 78713-7640, USA
 SO Plant Physiology (Rockville), (1996) Vol. 111, No. 2 SUPPL., pp. 148.
 Meeting Info.: Annual Meeting of the American Society of Plant
 Physiologists. San Antonio, Texas, USA. July 27-31, 1996.
 CODEN: PLPHAY. ISSN: 0032-0889.
 DT Conference; (Meeting)
 Conference; Abstract; (Meeting Abstract)
 Conference; (Meeting Poster)
 LA English
 ED Entered STN: 5 Aug 1996
 Last Updated on STN: 26 Sep 1996

=> d his

(FILE 'HOME' ENTERED AT 15:01:31 ON 23 AUG 2005)

FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO' ENTERED AT
 15:01:40 ON 23 AUG 2005

L1 1656 S (KIM, O? OR KIM O?)/AU
 L2 90619 S (LEE, S? OR LEE S?)/AU
 L3 1151 S (PARK, A? OR PARK A?)/AU
 L4 1 S L1 AND L2 AND L3
 L5 93269 S L1 OR L2 OR L3
 L6 71 S L5 AND ANNEXIN
 L7 7 S L6 AND PLANT
 L8 3 DUPLICATE REMOVE L7 (4 DUPLICATES REMOVED)
 L9 2 S L8 NOT L4
 L10 21496 S (ANNEXIN OR ANNEXINS)
 L11 751 S L10 AND (PLANT OR PLANTS)
 L12 742 S L11 NOT L5
 L13 382 S L12 AND (TRANSFORMED OR TRANSGENIC OR DNA OR CDNA OR GENE)
 L14 52 S L13 AND ARABIDOPSIS
 L15 22 DUPLICATE REMOVE L14 (30 DUPLICATES REMOVED)

=> s annatl

L16 16 ANNAT1

=> duplicate remove l16

DUPLICATE PREFERENCE IS 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO'
 KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n
 PROCESSING COMPLETED FOR L16

L17 4 DUPLICATE REMOVE L16 (12 DUPLICATES REMOVED)

=> d l17 1-4 ti

L17 ANSWER 1 OF 4 MEDLINE on STN DUPLICATE 1
 TI Immunolocalization and histochemical evidence for the association of two
 different Arabidopsis annexins with secretion during early seedling growth
 and development.

L17 ANSWER 2 OF 4 MEDLINE on STN DUPLICATE 2
 TI Proteomic identification of annexins, calcium-dependent membrane binding
 proteins that mediate osmotic stress and abscisic acid signal transduction
 in Arabidopsis.

L17 ANSWER 3 OF 4 MEDLINE on STN DUPLICATE 3
 TI Differential expression of members of the annexin multigene family in
 Arabidopsis.

L17 ANSWER 4 OF 4 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
 TI Biochemical characterization and immunolocalization of Arabidopsis
 annexins.

=> s l17 not l15

L18 3 L17 NOT L15

=> s 118 not 15
L19 2 L18 NOT L5

=> d 119 1-2 bib

L19 ANSWER 1 OF 2 MEDLINE on STN
AN 2005074830 MEDLINE
DN PubMed ID: 15368128
TI Immunolocalization and histochemical evidence for the association of two different Arabidopsis annexins with secretion during early seedling growth and development.
AU Clark Gregory B; Lee Dongwoo; Dauwalder Marianne; Roux Stanley J
CS School of Biological Sciences, Section of Molecular Cell and Developmental Biology, University of Texas, Austin, TX 78712, USA.
SO Planta, (2005 Feb) 220 (4) 621-31. Electronic Publication: 2004-09-11.
Journal code: 1250576. ISSN: 0032-0935.
(Investigators: Roux S J, U TX, Austin)
CY Germany: Germany, Federal Republic of
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals; Space Life Sciences
EM 200504
ED Entered STN: 20050211
Last Updated on STN: 20050415
Entered Medline: 20050414

L19 ANSWER 2 OF 2 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
AN 2003:65344 BIOSIS
DN PREV200300065344
TI Biochemical characterization and immunolocalization of Arabidopsis annexins.
AU Clark, Gregory B. [Reprint Author]; Bolton, Robert J. [Reprint Author]; Dauwalder, Marianne [Reprint Author]; Roux, Stanley J. [Reprint Author]
CS Department of Molecular Cell and Developmental Biology, University of Texas at Austin, Austin, TX, USA
gclark@ccwf.cc.utexas.edu
SO Plant Biology (Rockville), (2000) Vol. 2000, pp. 37. print.
Meeting Info.: Annual Meeting of the American Society of Plant Physiologists. San Diego, California, USA. July 15-19, 2000. American Society of Plant Physiologists (ASPP).
DT Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
LA English
ED Entered STN: 29 Jan 2003
Last Updated on STN: 29 Jan 2003

=> d his

(FILE 'HOME' ENTERED AT 15:01:31 ON 23 AUG 2005)

FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO' ENTERED AT 15:01:40 ON 23 AUG 2005

L1 1656 S (KIM, O? OR KIM O?)/AU
L2 90619 S (LEE, S? OR LEE S?)/AU
L3 1151 S (PARK, A? OR PARK A?)/AU
L4 1 S L1 AND L2 AND L3
L5 93269 S L1 OR L2 OR L3
L6 71 S L5 AND ANNEXIN
L7 7 S L6 AND PLANT
L8 3 DUPLICATE REMOVE L7 (4 DUPLICATES REMOVED)
L9 2 S L8 NOT L4
L10 21496 S (ANNEXIN OR ANNEXINS)
L11 751 S L10 AND (PLANT OR PLANTS)
L12 742 S L11 NOT L5
L13 382 S L12 AND (TRANSFORMED OR TRANSGENIC OR DNA OR CDNA OR GENE)
L14 52 S L13 AND ARABIDOPSIS
L15 22 DUPLICATE REMOVE L14 (30 DUPLICATES REMOVED)
L16 16 S ANNAT1

L17 4 DUPLICATE REMOVE L16 (12 DUPLICATES REMOVED)
L18 3 S L17 NOT L15
L19 2 S L18 NOT L5

=> s l13 not l14
L20 330 L13 NOT L14

=> s l20 and (aba or osmotic)
L21 7 L20 AND (ABA OR OSMOTIC)

=> duplicate remove l21
DUPLICATE PREFERENCE IS 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO'
KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n
PROCESSING COMPLETED FOR L21
L22 2 DUPLICATE REMOVE L21 (5 DUPLICATES REMOVED)

=> d l22 1-2 ti

L22 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN
TI Flow cytometry based combinatorial protein library screening by anchored
periplasmic expression (APEX)

L22 ANSWER 2 OF 2 MEDLINE on STN DUPLICATE 1
TI Immunolocalization of a novel **annexin**-like protein encoded by a
stress and abscisic acid responsive **gene** in alfalfa.

=> d l22 2 bib

L22 ANSWER 2 OF 2 MEDLINE on STN DUPLICATE 1
AN 1998388649 MEDLINE
DN PubMed ID: 9721677
TI Immunolocalization of a novel **annexin**-like protein encoded by a
stress and abscisic acid responsive **gene** in alfalfa.
AU Kovacs I; Ayaydin F; Oberschall A; Ipacs I; Bottka S; Pongor S; Dudits D;
Toth E C
CS Institute of Plant Biology, Biological Research Center, Hungarian Academy
of Sciences, Szeged, Hungary.. kovacs@everx.szbk.u-szeged.hu
SO Plant journal : for cell and molecular biology, (1998 Jul) 15 (2) 185-97.
Journal code: 9207397. ISSN: 0960-7412.
CY ENGLAND: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
OS GENBANK-Y11348
EM 199810
ED Entered STN: 19981020
Last Updated on STN: 19981020
Entered Medline: 19981005

=> d his

(FILE 'HOME' ENTERED AT 15:01:31 ON 23 AUG 2005)

FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO' ENTERED AT
15:01:40 ON 23 AUG 2005

L1 1656 S (KIM, O? OR KIM O?)/AU
L2 90619 S (LEE, S? OR LEE S?)/AU
L3 1151 S (PARK, A? OR PARK A?)/AU
L4 1 S L1 AND L2 AND L3
L5 93269 S L1 OR L2 OR L3
L6 71 S L5 AND ANNEXIN
L7 7 S L6 AND PLANT
L8 3 DUPLICATE REMOVE L7 (4 DUPLICATES REMOVED)
L9 2 S L8 NOT L4
L10 21496 S (ANNEXIN OR ANNEXINS)
L11 751 S L10 AND (PLANT OR PLANTS)
L12 742 S L11 NOT L5

L13. 382 S L12 AND (TRANSFORMED OR TRANSGENIC OR DNA OR CDNA OR GENE)
 L14 52 S L13 AND ARABIDOPSIS
 L15 22 DUPLICATE REMOVE L14 (30 DUPLICATES REMOVED)
 L16 16 S ANNAT1
 L17 4 DUPLICATE REMOVE L16 (12 DUPLICATES REMOVED)
 L18 3 S L17 NOT L15
 L19 2 S L18 NOT L5
 L20 330 S L13 NOT L14
 L21 7 S L20 AND (ABA OR OSMOTIC)
 L22 2 DUPLICATE REMOVE L21 (5 DUPLICATES REMOVED)

=> file uspatfull

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	64.18	64.39

FILE 'USPATFULL' ENTERED AT 15:14:28 ON 23 AUG 2005
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FILE COVERS 1971 TO PATENT PUBLICATION DATE: 23 Aug 2005 (20050823/PD)
 FILE LAST UPDATED: 23 Aug 2005 (20050823/ED)
 HIGHEST GRANTED PATENT NUMBER: US6934966
 HIGHEST APPLICATION PUBLICATION NUMBER: US2005183181
 CA INDEXING IS CURRENT THROUGH 23 Aug 2005 (20050823/UPCA)
 ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 23 Aug 2005 (20050823/PD)
 REVISED CLASS FIELDS (/NCL) LAST RELOADED: Jun 2005
 USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Jun 2005

>>> USPAT2 is now available. USPATFULL contains full text of the <<<
 >>> original, i.e., the earliest published granted patents or <<<
 >>> applications. USPAT2 contains full text of the latest US <<<
 >>> publications, starting in 2001, for the inventions covered in <<<
 >>> USPATFULL. A USPATFULL record contains not only the original <<<
 >>> published document but also a list of any subsequent <<<
 >>> publications. The publication number, patent kind code, and <<<
 >>> publication date for all the US publications for an invention <<<
 >>> are displayed in the PI (Patent Information) field of USPATFULL <<<
 >>> records and may be searched in standard search fields, e.g., /PN, <<<
 >>> /PK, etc. <<<

>>> USPATFULL and USPAT2 can be accessed and searched together <<<
 >>> through the new cluster USPATALL. Type FILE USPATALL to <<<
 >>> enter this cluster. <<<
 >>> <<<
 >>> Use USPATALL when searching terms such as patent assignees, <<<
 >>> classifications, or claims, that may potentially change from <<<
 >>> the earliest to the latest publication. <<<

This file contains CAS Registry Numbers for easy and accurate
 substance identification.

=> s 14

105 KIM, O?/AU
 105 KIM O?/AU
 6111 LEE, S?/AU
 6111 LEE S?/AU
 64 PARK, A?/AU
 64 PARK A?/AU

L23 1 L1 AND L2 AND L3

=> d 123 bib

L23 ANSWER 1 OF 1 USPATFULL on STN
 AN 2005:104937 USPATFULL
 TI Nucleic acid molecules encoding annexins from plants
 IN Kim, Ohkmae, Kwangju, KOREA, REPUBLIC OF
 Lee, Sumin, Kwangju, KOREA, REPUBLIC OF
 Park, Ae Ran, Kwangju, KOREA, REPUBLIC OF
 PI US 2005089872 A1 20050428

AI US 2003-690564 A1 20031023 (10)
DT Utility
FS APPLICATION
LREP JACOBSON HOLMAN PLLC, 400 SEVENTH STREET N.W., SUITE 600, WASHINGTON,
DC, 20004, US
CLMN Number of Claims: 12
ECL Exemplary Claim: 1
DRWN 8 Drawing Page(s)
LN.CNT 995
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d his

(FILE 'HOME' ENTERED AT 15:01:31 ON 23 AUG 2005)

FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO' ENTERED AT
15:01:40 ON 23 AUG 2005

L1 1656 S (KIM, O? OR KIM O?)/AU
L2 90619 S (LEE, S? OR LEE S?)/AU
L3 1151 S (PARK, A? OR PARK A?)/AU
L4 1 S L1 AND L2 AND L3
L5 93269 S L1 OR L2 OR L3
L6 71 S L5 AND ANNEXIN
L7 7 S L6 AND PLANT
L8 3 DUPLICATE REMOVE L7 (4 DUPLICATES REMOVED)
L9 2 S L8 NOT L4
L10 21496 S (ANNEXIN OR ANNEXINS)
L11 751 S L10 AND (PLANT OR PLANTS)
L12 742 S L11 NOT L5
L13 382 S L12 AND (TRANSFORMED OR TRANSGENIC OR DNA OR CDNA OR GENE)
L14 52 S L13 AND ARABIDOPSIS
L15 22 DUPLICATE REMOVE L14 (30 DUPLICATES REMOVED)
L16 16 S ANNAT1
L17 4 DUPLICATE REMOVE L16 (12 DUPLICATES REMOVED)
L18 3 S L17 NOT L15
L19 2 S L18 NOT L5
L20 330 S L13 NOT L14
L21 7 S L20 AND (ABA OR OSMOTIC)
L22 2 DUPLICATE REMOVE L21 (5 DUPLICATES REMOVED)

FILE 'USPATFULL' ENTERED AT 15:14:28 ON 23 AUG 2005

L23 1 S L4

=> s 16

105 KIM, O?/AU
105 KIM O?/AU
6111 LEE, S?/AU
6111 LEE S?/AU
64 PARK, A?/AU
64 PARK A?/AU
2548 ANNEXIN
L24 49 L5 AND ANNEXIN

=> s 17

105 KIM, O?/AU
105 KIM O?/AU
6111 LEE, S?/AU
6111 LEE S?/AU
64 PARK, A?/AU
64 PARK A?/AU
2548 ANNEXIN
232832 PLANT
L25 49 L6 AND PLANT

=> s 114

2548 ANNEXIN
272 ANNEXINS
232832 PLANT

144782 PLANTS
105 KIM, O?/AU
105 KIM O?/AU
6111 LEE, S?/AU
6111 LEE S?/AU
64 PARK, A?/AU
64 PARK A?/AU
182981 TRANSFORMED
35089 TRANSGENIC
131196 DNA
69180 CDNA
114191 GENE
6788 ARABIDOPSIS
L26 220 L13 AND ARABIDOPSIS

=> s 116

L27 0 ANNAT1

=> s arabidopsis(s)annexin

6788 ARABIDOPSIS

2548 ANNEXIN

L28 24 ARABIDOPSIS(S)ANNEXIN

=> d 128 1-10 ti

L28 ANSWER 1 OF 24 USPATFULL on STN

TI Delta 15 desaturases suitable for altering levels of polyunsaturated fatty acids in oleaginous plants and yeast

L28 ANSWER 2 OF 24 USPATFULL on STN

TI Delta15 desaturases suitable for altering levels of polyunsaturated fatty acids in oilseed plants and oleaginous yeast

L28 ANSWER 3 OF 24 USPATFULL on STN

TI Nucleic acid molecules encoding annexins from plants

L28 ANSWER 4 OF 24 USPATFULL on STN

TI Production of very long chain polyunsaturated fatty acids in oilseed plants

L28 ANSWER 5 OF 24 USPATFULL on STN

TI Annexin and P34 promoters and use in expression of transgenic genes in plants

L28 ANSWER 6 OF 24 USPATFULL on STN

TI Targets for therapeutic intervention identified in the mitochondrial proteome

L28 ANSWER 7 OF 24 USPATFULL on STN

TI Molecular toxicology modeling

L28 ANSWER 8 OF 24 USPATFULL on STN

TI Methods of diagnosis of breast cancer, compositions and methods of screening for modulators of breast cancer

L28 ANSWER 9 OF 24 USPATFULL on STN

TI Gene sequences and uses thereof in plants

L28 ANSWER 10 OF 24 USPATFULL on STN

TI Novel nucleic acids and polypeptides

=> d 128 3,9,10 bib

L28 ANSWER 3 OF 24 USPATFULL on STN

AN 2005:104937 USPATFULL

TI Nucleic acid molecules encoding annexins from plants

IN Kim, Ohkmae, Kwangju, KOREA, REPUBLIC OF

Lee, Sumin, Kwangju, KOREA, REPUBLIC OF

Park, Ae Ran, Kwangju, KOREA, REPUBLIC OF
PI US 2005089872 A1 20050428
AI US 2003-690564 A1 20031023 (10)
DT Utility
FS APPLICATION
LREP JACOBSON HOLMAN PLLC, 400 SEVENTH STREET N.W., SUITE 600, WASHINGTON,
DC, 20004, US
CLMN Number of Claims: 12
ECL Exemplary Claim: 1
DRWN 8 Drawing Page(s)
LN.CNT 995
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L28 ANSWER 9 OF 24 USPATFULL on STN
AN 2003:331453 USPATFULL
TI Gene sequences and uses thereof in plants
IN Edgerton, Michael D., St. Louis, MO, UNITED STATES
Chomet, Paul S., Mystic, CT, UNITED STATES
Laccetti, Lucille B., Groton, CT, UNITED STATES
PI US 2003233670 A1 20031218
AI US 2002-310154 A1 20021204 (10)
PRAI US 2001-337358P 20011204 (60)
DT Utility
FS APPLICATION
LREP MONSANTO COMPANY, 800 N. LINDBERGH BLVD., ATTENTION: G.P. WUELLNER, IP
PARALEGAL, (E2NA), ST. LOUIS, MO, 63167
CLMN Number of Claims: 28
ECL Exemplary Claim: 1
DRWN 2 Drawing Page(s)
LN.CNT 14098
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L28 ANSWER 10 OF 24 USPATFULL on STN
AN 2003:312147 USPATFULL
TI Novel nucleic acids and polypeptides
IN Tang, Y. Tom, San Jose, CA, UNITED STATES
Liu, Chenghua, San Jose, CA, UNITED STATES
Asundi, Vinod, Foster City, CA, UNITED STATES
Zhang, Jie, Campbell, CA, UNITED STATES
Drmanac, Radoje T., Palo Alto, CA, UNITED STATES
PI US 2003219744 A1 20031127
AI US 2002-117722 A1 20020404 (10)
RLI Continuation-in-part of Ser. No. US 2000-620312, filed on 19 Jul 2000,
GRANTED, Pat. No. US 6569662 Continuation-in-part of Ser. No. US
2000-552317, filed on 25 Apr 2000, ABANDONED Continuation-in-part of
Ser. No. US 2000-488725, filed on 21 Jan 2000, PENDING
DT Utility
FS APPLICATION
LREP Luisa Bigornia, HYSEQ, INC., 670 Almanor Avenue, Sunnyvale, CA, 94085
CLMN Number of Claims: 28
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 9575
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d 128 11-24 ti

L28 ANSWER 11 OF 24 USPATFULL on STN
TI Nucleic acid and amino acid sequences relating to Enterococcus faecalis
for diagnostics and therapeutics

L28 ANSWER 12 OF 24 USPATFULL on STN
TI Genes that are modulated by posttranscriptional gene silencing

L28 ANSWER 13 OF 24 USPATFULL on STN
TI Expressed sequences of arabidopsis thaliana

L28 ANSWER 14 OF 24 USPATFULL on STN

TI . Noyel nucleic acids and polypeptides

L28 ANSWER 15 OF 24 USPATFULL on STN

TI Nucleic acids and polypeptides

L28 ANSWER 16 OF 24 USPATFULL on STN

TI Compositions affecting programmed cell death and their use in the modification of plant development

L28 ANSWER 17 OF 24 USPATFULL on STN

TI Method of isolating human cDNAs by transfecting a nucleic acid sequence of a non-plant donor into a host plant in an anti-sense orientation

L28 ANSWER 18 OF 24 USPATFULL on STN

TI Method of humanizing plant cDNAs by transfecting a nucleic acid sequence of a non-plant donor into a host plant in an anti-sense orientation

L28 ANSWER 19 OF 24 USPATFULL on STN

TI Human genes and gene expression products

L28 ANSWER 20 OF 24 USPATFULL on STN

TI Stress-regulated genes of plants, transgenic plants containing same, and methods of use

L28 ANSWER 21 OF 24 USPATFULL on STN

TI Isolation and use of fetal urogenital sinus expressed sequences

L28 ANSWER 22 OF 24 USPATFULL on STN

TI Compositions affecting programmed cell death and their use in the modification of forestry plant development

L28 ANSWER 23 OF 24 USPATFULL on STN

TI Expressed sequences of arabidopsis thaliana

L28 ANSWER 24 OF 24 USPATFULL on STN

TI Nucleic acids, proteins and antibodies

=> d 128 13-16,20,23,24 bib

L28 ANSWER 13 OF 24 USPATFULL on STN

AN 2003:167778 USPATFULL

TI Expressed sequences of arabidopsis thaliana

IN Gorlach, Jorn, Durham, NC, UNITED STATES

An, Yong-Qiang, San Diego, CA, UNITED STATES

Hamilton, Carol M., Apex, NC, UNITED STATES

Price, Jennifer L., Raleigh, NC, UNITED STATES

Raines, Tracy M., Durham, NC, UNITED STATES

Yu, Yang, Matinsville, NJ, UNITED STATES

Rameaka, Joshua G., Durham, NC, UNITED STATES

Page, Amy, Durham, NC, UNITED STATES

Mathew, Abraham V., Cary, NC, UNITED STATES

Ledford, Brooke L., Holly Springs, NC, UNITED STATES

Woessner, Jeffrey P., Hillsborough, NC, UNITED STATES

Haas, William David, Durham, NC, UNITED STATES

Garcia, Carlos A., Carrboro, NC, UNITED STATES

Krickler, Maja, Pittsboro, NC, UNITED STATES

Slater, Ted, Apex, NC, UNITED STATES

Davis, Keith R., Durham, NC, UNITED STATES

Allen, Keith, Cary, NC, UNITED STATES

Hoffman, Neil, Chapel Hill, NC, UNITED STATES

Hurban, Patrick, Raleigh, NC, UNITED STATES

PI US 2003115639 A1 20030619

AI US 2001-770961 A1 20010126 (9)

PRAI US 2000-178466P 20000127 (60)

DT Utility

FS APPLICATION

LREP PARADIGM GENETICS, INC, 108 ALEXANDER DRIVE, P O BOX 14528, RTP, NC, 27709-4528

CLMN Number of Claims: 27
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 3923
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L28 ANSWER 14 OF 24 USPATFULL on STN
AN 2003:152863 USPATFULL
TI Novel nucleic acids and polypeptides
IN Zhou, Ping, Cupertino, CA, UNITED STATES
Tang, Y. Tom, San Jose, CA, UNITED STATES
Liu, Chenghua, San Jose, CA, UNITED STATES
Asundi, Vinod, Foster City, CA, UNITED STATES
Drmanac, Radoje T., Palo Alto, CA, UNITED STATES
PI US 2003104529 A1 20030605
AI US 2002-37270 A1 20020104 (10)
RLI Division of Ser. No. US 2000-620312, filed on 19 Jul 2000, PENDING
Continuation-in-part of Ser. No. US 2000-552317, filed on 25 Apr 2000,
ABANDONED Continuation-in-part of Ser. No. US 2000-488725, filed on 21
Jan 2000, PENDING
DT Utility
FS APPLICATION
LREP Luisa Bigornia, HYSEQ, INC., 670 Almanor Avenue, Sunnyvale, CA, 94085
CLMN Number of Claims: 28
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 9348
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L28 ANSWER 15 OF 24 USPATFULL on STN
AN 2003:142952 USPATFULL
TI Nucleic acids and polypeptides
IN Tang, Y. Tom, San Jose, CA, United States
Zhou, Ping, San Jose, CA, United States
Drmanac, Radoje T., Palo Alto, CA, United States
PA Hyseq, Inc., Sunnyvale, CA, United States (U.S. corporation)
PI US 6569662 B1 20030527
AI US 2000-620312 20000719 (9)
RLI Continuation-in-part of Ser. No. US 2000-552317, filed on 25 Apr 2000,
now abandoned Continuation-in-part of Ser. No. US 2000-488725, filed on
21 Jan 2000
DT Utility
FS GRANTED
EXNAM Primary Examiner: Prouty, Rebecca E.; Assistant Examiner: Rao, Manjunath
N.
CLMN Number of Claims: 2
ECL Exemplary Claim: 1
DRWN 0 Drawing Figure(s); 0 Drawing Page(s)
LN.CNT 6101
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L28 ANSWER 16 OF 24 USPATFULL on STN
AN 2003:120243 USPATFULL
TI Compositions affecting programmed cell death and their use in the
modification of plant development
IN Flinn, Barry, Fredericton, CANADA
Lasham, Annette, Auckland, NEW ZEALAND
PA Genesis Research and Development Corporation Limited, Auckland, NEW
ZEALAND (non-U.S. corporation)
PI US 2003082724 A1 20030501
AI US 2002-219220 A1 20020814 (10)
RLI Continuation-in-part of Ser. No. US 1999-325932, filed on 4 Jun 1999,
GRANTED, Pat. No. US 6451604
DT Utility
FS APPLICATION
LREP SPECKMAN LAW GROUP, 1501 WESTERN AVE, SUITE 100, SEATTLE, WA, 98101
CLMN Number of Claims: 24
ECL Exemplary Claim: 1
DRWN 18 Drawing Page(s)

LN.CNT 9341

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L28 ANSWER 20 OF 24 USPATFULL on STN

AN 2002:287515 USPATFULL

TI Stress-regulated genes of plants, transgenic plants containing same, and methods of use

IN Harper, Jeffrey F., Del Mar, CA, UNITED STATES

Kreps, Joel, Carlsbad, CA, UNITED STATES

Wang, Xun, San Diego, CA, UNITED STATES

Zhu, Tong, San Diego, CA, UNITED STATES

PI US 2002160378 A1 20021031

US 2004009476 A9 20040115

AI US 2001-938842 A1 20010824 (9)

PRAI US 2000-227866P 20000824 (60)

US 2001-264647P 20010126 (60)

US 2001-300111P 20010622 (60)

DT Utility

FS APPLICATION

LREP Lisa A. Haile, J.D., Ph.D., GRAY CARY WARE & FREIDENRICH LLP, Suite 1600, 4365 Executive Drive, San Diego, CA, 92121-2189

CLMN Number of Claims: 79

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 10399

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L28 ANSWER 23 OF 24 USPATFULL on STN

AN 2002:113914 USPATFULL

TI Expressed sequences of arabidopsis thaliana

IN Gorlach, Jorn, Durham, NC, UNITED STATES

An, Yong-Qiang, San Diego, CA, UNITED STATES

Hamilton, Carol M., Apex, NC, UNITED STATES

Price, Jennifer L., Raleigh, NC, UNITED STATES

Raines, Tracy M., Durham, NC, UNITED STATES

Yu, Yang, Matinsville, NJ, UNITED STATES

Rameaka, Joshua G., Durham, NC, UNITED STATES

Page, Amy, Durham, NC, UNITED STATES

Mathew, Abraham V., Cary, NC, UNITED STATES

Ledford, Brooke L., Holly Springs, NC, UNITED STATES

Woessner, Jeffrey P., Hillsborough, NC, UNITED STATES

Haas, William David, Durham, NC, UNITED STATES

Garcia, Carlos A., Carrboro, NC, UNITED STATES

Kricker, Maja, Pittsboro, NC, UNITED STATES

Slater, Ted, Apex, NC, UNITED STATES

Davis, Keith R., Durham, NC, UNITED STATES

Allen, Keith, Cary, NC, UNITED STATES

Hoffman, Neil, Chapel Hill, NC, UNITED STATES

Hurban, Patrick, Raleigh, NC, UNITED STATES

PI US 2002059663 A1 20020516

AI US 2001-770149 A1 20010126 (9)

PRAI US 2000-178506P 20000127 (60)

DT Utility

FS APPLICATION

LREP PARADIGM GENETICS, INC, 104 ALEXANDER DRIVE, BUILDING 2, P O BOX 14528, RTP, NC, 277094528

CLMN Number of Claims: 27

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 4390

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L28 ANSWER 24 OF 24 USPATFULL on STN

AN 2002:99407 USPATFULL

TI Nucleic acids, proteins and antibodies

IN Rosen, Craig A., Laytonsville, MD, UNITED STATES

Ruben, Steven M., Olney, MD, UNITED STATES

PI US 2002052308 A1 20020502

AI US 2001-925301 A1 20010810 (9)

RLI . Continuation of Ser. No. WO 2000-US5882, filed on 8 Mar 2000, UNKNOWN
PRAI US 1999-124270P 19990312 (60)
DT Utility
FS APPLICATION
LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850
CLMN Number of Claims: 23
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 30577
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d his

(FILE 'HOME' ENTERED AT 15:01:31 ON 23 AUG 2005)

FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO' ENTERED AT
15:01:40 ON 23 AUG 2005

L1 1656 S (KIM, O? OR KIM O?)/AU
L2 90619 S (LEE, S? OR LEE S?)/AU
L3 1151 S (PARK, A? OR PARK A?)/AU
L4 1 S L1 AND L2 AND L3
L5 93269 S L1 OR L2 OR L3
L6 71 S L5 AND ANNEXIN
L7 7 S L6 AND PLANT
L8 3 DUPLICATE REMOVE L7 (4 DUPLICATES REMOVED)
L9 2 S L8 NOT L4
L10 21496 S (ANNEXIN OR ANNEXINS)
L11 751 S L10 AND (PLANT OR PLANTS)
L12 742 S L11 NOT L5
L13 382 S L12 AND (TRANSFORMED OR TRANSGENIC OR DNA OR CDNA OR GENE)
L14 52 S L13 AND ARABIDOPSIS
L15 22 DUPLICATE REMOVE L14 (30 DUPLICATES REMOVED)
L16 16 S ANNAT1
L17 4 DUPLICATE REMOVE L16 (12 DUPLICATES REMOVED)
L18 3 S L17 NOT L15
L19 2 S L18 NOT L5
L20 330 S L13 NOT L14
L21 7 S L20 AND (ABA OR OSMOTIC)
L22 2 DUPLICATE REMOVE L21 (5 DUPLICATES REMOVED)

FILE 'USPATFULL' ENTERED AT 15:14:28 ON 23 AUG 2005

L23 1 S L4
L24 49 S L6
L25 49 S L7
L26 220 S L14
L27 0 S L16
L28 24 S ARABIDOPSIS(S)ANNEXIN

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ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF

LOGOFF? (Y)/N/HOLD:y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

18.96

83.35

STN INTERNATIONAL LOGOFF AT 15:17:53 ON 23 AUG 2005